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195⁴⁵⁻⁴⁸

File No. 6730/36 (4) - I

P. W DEPARTMENT

B CLASS

U BRANCH (1)

Subject:— Electricity Schemes
Grid System.
Electrification of concentrated
rural areas.

B [K] - 1948

U (1)

File No. 6730/36 (4) - I

Std. Sect. Slip. 94 A

G. R., G. D., No 2408, dated 22-5-22.]

Correspondence

DOCKET SHEET (B)

Subject :—

File No. 6730 / 36 (u) - I

P. W DEPT.

EL BRANCH. (1)

References :—

Original file sent to Maharashtra.

Date.	To whom sent.	Notes and instructions.

El.Br.(I).P. W. D.

Submitted with ref. to the draft resolution on pp. 83-85 ante. and the proceedings underlying it.

2. Para.1(a) & (b) of the S.O's Note: The interpretation of the draft rescn. in para.1(a) of the S.O's note is correct.

As decided within the question of delegation of financial powers to the S.O. and his officers is taken up separately. From para.4 of A(R)'s note it will, however, be seen that the powers of the S.O. are not to exceed those delegated to a Ch.Engr. The power of a Ch. Engr. to accord techl. sanction to the original and revised estimates is limited to Rs. 50,000. As the cost of each of the schemes proposed to be approved in the draft resolution exceeds this amount the S.O. will have to come up to Govt. for techl. sanction in each case. In this con. it is pointed out that in para.6 of his note, dated the 2-8-45 the Dy.Secy. proposed that the S.O. should be given full powers for according technical sanction provided that the cost of the detailed estimate does not exceed the amount of the administrative approval and the plans do not show any material deviations from those approved administratively. In para 2 of his note the Secy. (I) has observed that this was the maximum that might be allowed. A(R) has however obviously not agreed to this delegation which is beyond the powers of a Ch.Engr.

Orders are solicited on the S.O's suggestion to give him powers to give technical sanction to the schemes now proposed to be approved by Govt.

3. Para.1(c) of the S.O's note: In para. 10(4) of his note dated the 26-4-45, the S.O. requested inter-alia that he be authorised to place contracts for putting up transmission and distribution lines, if he considers it desirable to do so. But in his subsequent note, dated the 27-7-45 he only requested that he be permitted to place orders for plant, machinery and equipment on the

basis of the Madras Genl. conditions of contract- vide para.3 of the enclosure to his note. Para. 6 of the draft resolution was based accordingly vide in this connection para.8 of the Dy.Secy's note, dated the 2-8-45 also.

It is for orders whether the S.O. may also be authorised to place contracts for the construction of the transmission and distribution lines and to purchase the requisite materials like copper wire and poles, etc., as requested by him.

4. If the requests of the S.O. reld. to in paras.2 and 3 above are to be granted para.6 of the draft resolution may be redrafted as under:-

"6. The S.O. is preparing a comprehensive set of General Conditions of Contracts for the El. Grid. Pending approval of Govt. thereto and pending the issue of the General orders regarding financial powers reld. to in para. 7 below the S.O. is authorised in respect of the scheme sanctioned in this resolution.

- (a) to grant technical sanction provided that the cost of the detailed estimate does not exceed the amount of the administrative approval and that there is no material deviation in the scheme;
- (b) to place orders for plant, machinery and equipment and also to place contracts for the construction of transmission and distribution lines on the basis of the general Conditions of Contracts for plant, machinery and equipment adopted by the Govt. of Madras, Elec. Deptt.

and

- (c) to purchase the requisite other materials like copper-wire, poles, etc.

In respect of (b) and (c) above the S.O. is further authorised to take action direct and not through the Central Stores Purchase Organisation."

5. Para.2 of the S.O's note: The instructions contained in para.8 of the draft resolution are general instructions in respect of execution of works under the Electric Grid Scheme. There seems no reason why instruction in (b) of that para. should be omitted. The only question for consideration is whether in the circumstances explained by the S.O. the condition "after due examination

in the P.W.D.* may be waived in so far as the Civil Engineering works concerning the specific scheme to be sanctioned in these papers are concerned. The point is for orders.

6. The draft resolution only mentions the number of villages proposed to be electrified. If approved, it is proposed to mention the names of villages concerned as per list to be attached to the resolution and with the marginal remark* against the word 'villages' in items (a), (b) and (c) in para.1 of the resolution.

"vide list
attached".

Id.18-8-45

Thre' E.B.(I)

Id.18/8/45

The presumption in para.1 of the S.O's note is correct.

2. It was proposed to authorize the S.O. to place orders for plant, machinery and equipment before the project was technically sanctioned as a special case, in order to avoid any delay, since Govt. is keenly interested in this work and is most anxious to ensure its speedy completion. Para.6 of the draft G.R. was introduced to fulfil this object. I presume that my interpretation of the draft G.R. is correct.

3. The S.O. is also asking for authorization to place contracts for the construction of transmission and distribution lines and the purchase of requisite materials like copper-wire, poles, etc. I would however submit that this is neither necessary nor advisable. Plant and machinery has to be ordered from abroad and would take considerable time to reach this country. Moreover, the requirements of these items are precisely known. It has therefore been proposed to authorise the S.O. to place order for these. Copper wire and poles are however available in this country and it is very desirable that detailed plans and estimates should be prepared and get sanctioned technically before these materials are ordered and construction commenced. It would be most unusual to commence construction before detailed plans and estimates are ready.

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4. I do not follow para. 2 of the S.O.'s note. There is no intention whatever of investing Civil Engineers with less powers than officers of corresponding rank in the regular P.W.D. Also the S.O. need not entertain any fear of undue delays in the scrutiny of the projects in the P.W.D. I would venture to say that an examination in the P.W.D. of the Civil Engineering features of the Grid Projects may be actually helpful and fully worth the little time spent in doing so.

5. I had suggested in para. 6 of my note on p. 75 that the S.O. should be given full powers for according technical sanction provided the cost of the detailed estimate does not exceed the amount of the administrative approval and the plans do not show any material deviations from those approved administratively. I had meant that these powers should apply to electrical works only and not Civil Engineering works. A(R) in his note on p. 77-78 has directed that the power to be delegated to the S.O. should not exceed those of a Ch. Engr. As the S.O. has again raised the question, the point is submitted for orders.

6. Apart from this the draft G.R. does not seem to require any modification.

Id. 24.VIII.45.

Secy.(I)

The above note of the Dy. Secy (IcR) covers the points at issue and I agree with it. I think the G.R. as it stands gives the S.O. (Grid) ample authority to proceed there is no evident delay; certainly delay will not be caused in the P.W.D. Naturally ^{Civil} Govt. Grid ^{offices} will exercise the powers of their ~~thinks~~ and nothing in the G.R. is opposed to this.

It seems the S.O. (Grid) still hankers after the powers of Government, which cannot be delegated to him.

Id. 25/8/45.

A(R).

Special Officer had discussed with me generally without the file being before us and I suggest he could put up again any point which was not clear.

2. I agree with the notes of Dy.Secy. and Secy.
 3. I think no administrative difficulty need be caused by Special Officer putting up for technical sanction any schemes of which the estimate exceeds Rs. 50,000 when the detailed estimate is known in the same manner as P.W.D. submit to Government. Secy. will see that there is no delay after submission. This does not conflict with the authorisation now given to place orders for plant, machinery and equipment.

Similarly for the reasons given by Dy.Secy., I see no difficulty in Special Officer obtaining sanction for purchase of copper wire, poles and other equipment available in India as soon as the detailed estimates are known.

4. As to para.2 of Special Officer's note, it may be assumed that, when the orders on delegation of powers issue, the Civil Engineering staff under the Special Officer will receive the same powers to give technical sanction to and to execute works as are given to corresponding officers in the P.W.D.

26-8-45 Id. Id.28.VIII 45.

Id.27/6/45

Inward No. 1226 dt. 28-8-45
 U.O.R. No. ELG 89-28 K dt. 29.8.45

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Finance Deptt. P.W.D.

Submitted with refce to this Deptt. note dt.7.7.45.

2. F.D. may agree to the draft orders at pp.83-85 ante.

Id.5.9.45 Id.5.9.45

u.o.r to the P.W.D. dt. 6.9.45

El.Br.(I)

P.W.D.

The draft orders may now be sub~~mit~~ to A(E) & H.E.(G.S.)

2. Attention is invited to para.3 of the Dy.Secy's note, dt. the 2-8-45 and para 4 of the e.n. dt. 9.8.45.

Id.6/9/45

Id.6.IX.45

Id.8/9/45

Id.15.9

The G.-G's sanction may be anticipated

Id.18/9

Secy: P.W.D. (I)

S.O. 29 ⁸/_{HS}

F.D.

A.E.

H.E. (G.S.)

5

Post War Reconstruction
Electric Grid Scheme;
Electrification of
Concentrated Rural Areas.

GOVERNMENT OF BOMBAY

For modifications
pl. see G.Rs
dt. 11-9-46 and
6-12-46.

Public Works Department
Resolution No. 6730/36(4).
Bombay Castle, 11th Oct. 1945.

RESOLUTION OF GOVERNMENT.

The Government of Bombay has decided that the electrification of the concentrated rural areas should be part of its reconstruction schemes. With a view to give effect to this decision, the proposals made in the note,* dated the 26th April, 1945, from the Special Officer, Electric Grid (printed as an accompaniment to this Resolution) relating to the electrification scheme for the areas mentioned below are generally approved:—

- (a) Electrification of Khed town and 11½ villages in Khed taluka of Ratnagiri District.
- (b) Electrification of 22½ villages in Satara Taluka of Satara District.
- (c) Electrification of 14½ villages in Bulsar Taluka of Surat District.
- (d) Electrification of the towns of Ratnagiri, Chiplun, Malvan and Vengurla in Ratnagiri Dist.

2. The electrification scheme for the areas mentioned above is sanctioned at a total capital cost of Rs. 36,97,920 as estimated by the Special Officer as per statement* attached to this resolution. Government is however pleased to direct that should the question of priority arise, preference should be given to the work at Chiplun.

3. The expenditure on the scheme is to be debited to the head "81-A, Capital Outlay on Electricity Schemes" and the Special Officer, Electric Grid, should report to Government the actual amount required during the current financial year early in February 1946, so that the neccy. allotment of funds may be made.

4. The Special Officer is authorised to enter into agreements with the Electric Licences at Bulsar and Satara for the purchase of bulk power from them for distribution in Bulsar and Satara talukas respectively subject to the

provision that the terms of supply will be in keeping with the principles laid down in the Electric Supply Bill under preparation by the Government of India.

5. The request of the Special Officer (1) to authorise him to grant repayable loans to artisans and agriculturists for the purchase of pump sets, looms and the like to encourage the use of electricity and (2) to place a certain amount at his disposal in that connection is under the consideration of Government and orders thereon will issue separately.

6. The Special Officer is preparing a comprehensive set of General Conditions of Contracts for the Electric Grid. Pending approval of Government thereto and pending issue of the general orders regarding financial powers referred to in paragraph 7 below the Special Officer is authorised to place orders for plant, machinery and equipment required for the scheme sanctioned in this resolution on the basis of the general Conditions of Contracts for plant, machinery and equipment adopted by the Government of Madras, Electricity Department. The Special Officer is further authorised to place these orders direct and not through the Central Stores Purchase Organisation.

7. The question of the delegation of financial powers to the Special Officer and his staff is under the consideration of Government and orders thereon will issue separately.

8. Government is pleased to issue the following general instructions in respect of the execution of works under the Electric Grid Scheme :—

- (a) The normal procedure for execution of works in the P.W. Deptt, such as taking contracts on regular forms, calling for tenders publicly, accepting the lowest tender, etc., should be followed in respect of works under the Electric Grid Scheme.
- (b) The Civil Engineering Works of the Electric Grid Scheme should be planned and executed by the Civil Engineering Staff under the Special

Officer subject to the powers that may be delegated to them in accordance with paragraph 7, above and after due examination in the Public Works Department.

By order etc.,

Sd/-
For (A. R. Thomas),
Dy. Secy. to Government.

* Printed as accompaniments to this Resolution.

† Vide list printed as an accompaniment to this Resolution.

To

The Finance Department.
The Reconstruction Department
The Revenue Department.
The General Department.
The Commissioners, Northern, Central & Southern Divns.
The Collectors of Surat, Satara & Ratnagiri.
The Special Officer (Electric Grid).
The Electrical Engineer to Government.
The Supdtg. Engrs., Northern, Central & Southern Circles.
The Supdtg. Engr., Project Circle.
The Director of Information (with a request to issue a press note).
The Ex. Engrs. of Surat & Breach. Satara & Ratnagiri Divisions.
The Ex. Engr., Electrical Division and Electric Inspector, Bombay Province.
The Accountant General, Bombay (through the F. Deptt).

No. of 1945.

Copy forwarded for information and guidance to

Accompaniments to Government Resolution, Public Works Deptt.,
No. 6730/36(4), dated the 11th October 1945.

Copy of note from the Special Officer (Electric Grid),
printed as an accompaniment to the Government Resolution,
Public Works Department, No. 6730/36(4), dated 11th Oct. 1945.

I have considered very carefully the alternative mentioned by His Excellency in his minute dated 7th April 1945 on Khed Taluka Scheme viz. that of establishment of separate small power houses in centres of rural reconstruction. The estimates which have been worked out show that for electrifying 11 villages—this is the number included in my Khed proposals—each equipped with a small power house of its own with a capacity of 5 to 10 K.W., the capital expenditure incurred will be less, but the less in the fifth year of

the operation of the scheme will be appreciably more. Instead of Rs. 18,832 shown by me for the electrification of 11 villages based upon supply of bulk electricity from Khed and Chiplun towns, it will be as high as about Rs. 40,624. Put another way, it may be stated that for the same amount of estimated deficit (Rs. 18,832) we could only afford to electrify about 5 centres of rural reconstruction. Even so, we could not build up any industrial load. Besides, by doing this we will be getting away from our main idea of rationalizing the generation of electricity. In view of this, I feel that if certain villages in the three talukas of Khed, Satara and Bulsar are to be provided with electricity, we should adopt the schemes previously proposed by me. I place below accordingly again for further consideration the various schemes in question.

2. As Government had tentatively decided to carry out immediately various reconstruction schemes in the three talukas of Khed, Satara and Bulsar, detailed load surveys of these talukas were carried out and in the case of latter two talukas, schemes have been prepared covering only such restricted areas, which are likely to be self-supporting in a period not exceeding 10 years. In the case of Khed taluka, the scheme including the electrification of the towns of Khed and Chiplun is expected to pay its way within 10 years.

3. Detailed notes* on (1) Khed, (2) Satara and (3) Bulsar talukas are attached.

The Khed taluka rural electrification envisages establishment of two small power houses at Khed and Chiplun and includes apart from electric supply in 11 villages electrification of the towns of Khed and Chiplun.

Satara taluka electrification is proposed to be based on the extension of the existing Satara power house. A new engine generator set of about 200 K. W. will need to be ordered.

The Bulsar taluka electrification is proposed to be based on the extension of the existing Bulsar power house. The owner has already on order a new engine alternator set which may be in commission in about a year from now.

Negotiations are in progress with owners of both of these power houses for the supply of energy on the basis of cost.

4. (a) The capital cost involved is as follows :--

	Rs.
(1) Khed Taluka (Khed & Chiplun towns plus 11 villages) ...	11,76,620
(2) Satara Taluka (22 villages) ...	10,23,000
(3) Bulsar Taluka (14 villages) ...	4,45,000
	<u>26,44,620</u>

(b) It will be noted that the estimated deficit or surplus (including adequate depreciation and interest at $3\frac{1}{2}$ per cent on the capital outlay) in the first year, 5th year and 10th year of operation of the three talukas, will be as under:--

	1st year.	5th year.	10th year.
KHED-- Taluka.			
(1) Khed town	-33,147	-6,505	+ 8,851
(2) Chiplun town	-37,258	- 457	+ 8,899
(3) 11 Villages in Khed taluka	-40,094	-18,832	-10,220
	<u>Total -1,10,499</u>	<u>-25,794</u>	<u>+ 7,530</u>
SATARA--			
22 villages	-83,479	-31,510	+ 2,406
BULSAR--			
14 villages	-36,560	-11,510	+ 580

5. A detailed note* on the electrification of all the taluka towns and some villages in each taluka of Ratnagiri district is also attached. The note was discussed by me with Adviser (R) on 10th April 1945 and has been seen by the other Advisers. I recommend that electrification of the towns of (1) Ratnagiri, (2) Malvan and (3) Vengurla be carried out at the same time as the three talukas schemes proposed in the previous paragraphs. The reason is that identical engine generator sets and other equipment could be ordered out at the same time at probably somewhat less cost owing to quantity purchase. Besides, the over all financial results of the electrification of the areas of the Ratnagiri District proposed to be electrified at present will show appreciable improvement.

6. (a) The capital cost involved is (1) Rs.3,50,000 for Ratnagiri, (2) Rs.3,61,000 for Malvan and (3) Rs. 3,42,300 for Vengurla, making a total of Rs. 10,53,300.

(b) The estimated annual deficit or surplus after allowing for adequate depreciation and interest at 3½ per cent will be as follows :—

Towns.			1st Year Rs.	5th year Rs.	10th year. Rs.
Ratnagiri	...	...	-35,794	+ 7,655	+14,396
Malvan	...	...	-35,990	+ 3,751	+17,254
Vengurla	...	...	-34,639	+ 5,215	+18,213

Note.—In arriving at the surplus from the 6th year onwards, a reduction of half anna per unit in the ^{cost} traffic for power supply to industries is allowed for.

7. The capital cost and annual surplus or deficit are based on the use of treated wood poles as the cost of steel or concrete poles is at present unduly high. If scrap rails become available, they will be used wherever possible in the place of wood poles.

8. It will be necessary to sanction the required staff for construction work and/or for supervision of construction work and for maintenance. I shall put up proposals separately after receipt of Government orders sanctioning the proposals.

9. An essential part of the scheme is to advance loans to artisans and agriculturists for the purchase of pump sets, looms and the like, to encourage the use of electricity. I suggest that a sum of Rs.3 lakhs be placed at my disposal for this purpose and I be authorized to grant loans on terms to be approved by Government separately.

10. I request for sanction to the taluka electrification scheme, vide paragraphs 2, 3 and 4 above, and town electrification scheme, vide paragraphs 5 and 6 above. In the issue of Government orders, it may kindly be mentioned specially that:--

- (1) The total capital Expenditure indicated in 4(b) and 6(b) ~~are~~ sanctioned.
- (2) The estimated deficits and surpluses shown in 4, 4(b) and 6(b) are noted.
- (3) The Special Officer (Electric Grid) is authorised to grant repayable loans up to an aggregate of Rs.3 lakhs in the above areas on terms to be approved by Government separately.
- (4) The Special Officer (Electric Grid) is authorised to purchase the required plant, machinery, apparatus, Poles, wire and other stores and equipment, to place contracts or carry out departmentally as may be found desirable the work of erection of machinery, of putting up transmission and distribution lines and power house and other buildings, etc., for the proper running of the schemes.

LIST OF VILLAGES PROPOSED TO BE ELECTRIFIED.

(1) 11 Villages in Khed Taluka of Ratnagiri District.

Sukivli, Devghar, Gunda, Khepi, Shirgaon, Kumbhad, Bhelsai, Avashi, Asrani, Dhamnand, Musad.

(2) 22 Villages in Satara Taluka of Satara District.

Songaon, Shendra, Valse, Bharatgaon, Bergaon, Nazthane, Aspinge, Matyapur, Atit, Gedeli, Kodeli, Jaitapur, Chinchner, Tasgaon, Jihé, Vadha, Arla, Vaduth, Arphal, Vangal, Gova, Limb.

(3) 14 Villages in Bulsar Taluka of Surat District.

Kesamba,	Bhagdavda,	Tighal,	Segwi,	Pargera,
Chanwase,	Megarwadi,	Abrama,	Lilapere,	Vejalpere,
Bhadeli Desai,		Bhadeli Jagalala,	Dungri,	
Untadi.				

Statement-----

Statement showing the estimated cost for the Electrification Scheme.

Item.	Power House Machinery, etc.	Transmission and Distribution.	Transformers, Switchgears, meters, Street lights, fittings, House services, etc.	Testing apparatus and Miscellaneous	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.
(1) Electrification of Khed and Chiplun Towns and 11 Villages in Khed Taluka of Ratnagiri District.	3,38,600	5,30,750	2,93,445	13,825	11,76,620
(2) Electrification of 22 villages in ~~Satara~~ Taluka of Satara Dist.	1,29,700	6,00,500	2,77,800	15,000	10,23,000
(3) Electrification of 14 Villages in Bulsar Taluka of Surat District.	Nil. (Source of power-existing Bulsar Power House).	3,22,500	1,22,500	...	4,45,000
(4) Electrification of Ratnagiri Town ...	1,69,300	61,000	1,12,075	7,625	3,50,000
(5) Electrification of Malwan	1,69,300	75,000	1,09,150	7,550	3,61,000
(6) Electrification of Vengurla Town ...	1,69,300	57,000	1,08,650	7,350	3,42,300
	<u>9,76,200</u>	<u>16,46,750</u>	<u>10,23,620</u>	<u>51,350</u>	<u>36,97,920</u>

Id. 18/10/45.

+ Electrification of
Khed and 11 villages held in abeyance vide G. R. No 6730/36 (4) dt 6-12-46

15
Foreshere Road,
Bombay 1: 31st July 1946.

To

The Secretary to Government,
Public Works Department,
Bombay.

Sub:- Postwar Reconstruction Electric
Grid Scheme
Electrification of Concentrated
Rural Areas.

Ref:- Government Resolution, P.W.D.No.6730/36(4),
dated 11 th October 1945.

Under paragraph 1(c) of the above quoted Government Resolution the proposals relating to the electrification of 14 villages in Bulsar taluka as stated on page 4 of the accompanying note have been sanctioned.

2. It now transpires that out of the 14 villages sanctioned for electrification, four villages, viz. Parnera, Chanwade, Megrawadi and Abrama, come within the area of supply licensed to the Bulsar Electricity Co. Ltd., whose agents are the Consolidated Electric Agencies Ltd., Bombay.

3. In order to avoid any complication the matter regarding electrification of the four villages in para.2 was discussed with the Managing Director of Consolidated Electric Agencies Ltd., and as a result the Company has undertaken to electrify the four villages in question by the end of 1947. A copy of the Company's letter No.CON/BUL/G/5 of 25th July 1946 is enclosed.

4. Under the circumstances it is recommended that the names of the four villages mentioned in para.2 above may kindly be deleted from the list given on page 4 of the accompaniment to the Government Resolution cited above and the necessary corrigendum issued at an early date.

Sd/-

Special Officer (Electric
Grid).

Id. 2.VIII.46

Encl: One copy of letter.

6730/36(4).
29614.

El.Br.(I)

P.W.D.

Submitted with reference to G.R. no 6730/36(4)
dated the 11-10-45.

2. Attention is invited to the proceedings in the
linked file No.S.220/23645 wherein the H.M., P.W.D.,
has noted as follows on the 8.8.46.

"All Districts in the Province are to be treated
equally. S.O.Grid has been asked to revise his
schemes."

3. On another set of papers (file No.6269/36/29296)
dealing with the R.C.D's enquiry reg: the schemes appd.
by the present Govt. the H.M. P.W.D. has on 11-8-46
noted inter-alia that the S.O. has been asked to modify
his nursery schemes especially as reg: the concentrated
areas.

4. In these circumstances the S.O. (El.Grid) may be
informed that no further action with reference to the
^{ext}Extension of the schemes sanctioned in G.R. No.6730/36(4)
dated the 11-10-45, may be taken unless the revised schemes
are appd. by Govt.

5. In view of the proposal in para 4 above no action
is necessary on the S.O's reference overleaf.

Id.14/8/46.

I understand from the S.O.(Grid) that it is not pro-
posed to stop the Nursery Schemes already sanctioned, but
the H.M. P.W.D. has asked the S.O. to submit his complete
proposals for such schemes throughout the Province at a
very early date.

This may please be confirmed.

Id.15/8/46

H.M. P.W.D.

Yes.

Id.15/8/46 addly. Id.16/8/46

El.Br.(I).

P.W.D.

Resubmitted.

2. The above ~~disposition~~ may be shown u.e. to the
S.O. (El.Grid) for information. Necessary further action

17

with reference to the S.O.'s letter on p. 117 ante
will be taken later.

Id. 17/8/46

Id. 17/8/46

u.e. to the S.O. (El. Grid) dt. 19-8-46.

Seen & returned with
compliments.

U.O.R. No. EG 119/5040
21st Aug 1946.

Id. 21/8/46

Secy. to Govt.
P.W.D.
Bombay.

El.-Br. (I)

P.W.D.

The decision overleaf is submitted for information
of the D.S.

2. The papers will be resubmitted with reference to
the S.O.'s letter on p. 117 ante hereafter.

Id. 23/8/46

Id. 23.VIII 46

El.-Br. (I)

P.W.D.

Resubmitted.

2. In the circumstances explained by the S.O.
(El. Grid) the draft put up may issue if appd.

3. The S.O.'s proposal will reduce the estimated
cost of the electrification Scheme for the Bulsar
Taluka - vide items (3) in the statement at page 4 of
the report dt. the 11-10-45. The S.O. will no doubt
submit the revised cost for the information of Govt.
This may however be shown to him u.e. for information
after the proposed draft has issued.

Id. 31/8/46

Id. 2.IX.46

Id. 4/9/46

H.K. P.W.D. Id. 6/9/46

Id. 10/9/46

Post War Reconstruction Electric
Grid Scheme: Electrification of
Concentrated Rural Areas.

GOVERNMENT OF BOMBAY.
Public Works Department.
Resolution No. 6730/36(4).
Bombay Castle, 11th September 1946.

Read Government Resolution No. 6730/36(4), dated
the 11th October 1945.

Letter from the Special Officer (Electric Grid)

No.Elq.98/4584, dated the 31st July 1946, as under:-

Reference: Government resolution, Public Works
Department No.6730/36(4), dated 11th
October 1945.

Under paragraph 1(c) of the above quoted
Government Resolution the proposals relating to the elec-
trification of 14 villages in Bulsar taluka as stated on
page 4 of the accompanying note have been sanctioned.

2. It now transpires that out of the 14 villages
sanctioned for electrification, four villages, viz.
Parnera, Chanwase, Megrawadi and Abrama, come within
the area of supply licensed to the Bulsar Electricity
Co.Ltd., whose agents are the Consolidated Electric
Agencies Limited, Bombay.

3. In order to avoid any complication the matter
regarding electrification of the four villages in para-
graph 2 was discussed with the Managing Director of Con-
solidated Electric Agencies Limited, and as a result the
Company has undertaken to electrify the four villages in
question by the end of 1947. A copy (printed as accom-
paniment.) of the Company's letter No.CON/BUL/G/5 of 25th
July 1946 is enclosed.

4. Under the circumstances it is recommended that
the names of the four villages mentioned in paragraph 2
above may kindly be deleted from the list given on page
4 of the accompaniment to the Government Resolution cited
above and the necessary corrigendum issued at an early
date.

RESOLUTION: In the circumstances explained by the
Special Officer (Electric Grid), the four villages men-
tioned by him, viz. Parnera, Chanwase, Megrawadi and Abram
should be omitted from the Government electrification
Scheme for the Bulsar Taluka of the Surat District san-
ctioned in Government Resolution No.6730/36(4), dated
the 11th October 1945

By order of the Govr. of Bombay,

Sd/- 12.IX.46

G. N. Pandit,
Dy.Secy. to Government.

To

The Finance Department.
 The Reconstrution Department.
 The Revenue Department.
 The Central Department.
 The Commissioners, Northern, Central & Southern Divisions.
 The Collectors of Surat, Satara & Ratnagiri.
 The Special Officer (Electric Grid).
 The Chief Engineer, Post War Reconstruction (with a copy of Government Resolution No.6730/36(4), dated the 11th October 1945).
 The Supdtg.Engr., Project Circle.
 The Director of Information.
 The Ex.Engrs. of Surat & Breach, Satara & Ratnagiri Divisions.
 The Ex.Engr, Electrical Division and Electric Inspector, Bombay Province.
 The Accountant General, Bombay.

No. of 1946.

Copy forwarded for information and guidance to

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Accompaniment to Government Resolution. Public Works Department No.6730/36(4). dated the 11th Sept., 1946..

The CONSOLIDATED ELECTRIC AGENCIES LTD.,

17-B, Elphinstone Circle,
 Fort, Bombay.
 Ref. CON/BUL/G/5.
 dated 25th July 1946.

The Special Officer "Grid",
 Government of Bombay,
BOMBAY.

Dear Sir,

RE: RURAL ELECTRIFICATION: BULSAR TALUKA:

With reference to the interview the undersigned had with you recently we confirm that the villages falling under our Bulsar Electric License which are not still electrified will be electrified by us by the end of 1947 as per your other scheme in that area.

1. Abrama.
2. Chenvai.
3. Parnera.
4. Mograwadi.

contd.....

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RE: KHADKI FALIA - PART OF BHAGDA - VADA:

We have enquired in the matter and understand from our Works that the same does not fall under the Bulsar Municipal limits and hence we have no objection to your electrifying the said area.

Yours faithfully,

Sd. x x x

Managing Director.

Post War Reconstruction -
Electric Grid Scheme :
Electrification of
concentrated rural areas.

GOVERNMENT OF BOMBAY.
Public Works Department.
Resolution No.6730/36(4)
Bombay Castle, 6th December 1946.

Read Government Resolutions No.6730/36(4), dated the 11th October 1945 and 11th September 1946.

Letter from the Special Officer (Electric Grid) No. Elg. 99/5825, dated the 9th October 1946, as under:-

"Reference: Government Resolution, Public Works Department No.6730/36(4), dated 11th October 1945.....

"Under paragraph 1(a) of the above quoted Govt. Resolution, the proposals relating to the electrification of Khed town and 11 villages in Khed taluka, as stated on page 4 of the accompanying note, have been sanctioned.

"2. The villages in question are in a very backward condition. Ordinarily, the area would not have been selected in the first five year period of electrification. It was included in the proposals because it had then been decided by Government that the area in question should be taken up for "concentrated development". Some of the villages, it was understood, would form centres of reconstruction and the other villages such as Sukivli, Avashi, etc. would be built on model lines.

"3.(1) Enquiries made recently with Govt. officials and the President, District Local Board, Ratnagiri, indicate that about eight villages out of the 11 villages proposed to be electrified remain cut off from outside communication for a period of about four months during the monsoon.

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(2) Information has been received from the Ex. Engr. Post War Reconstruction Division, Satara, to the effect that there is a proposal to construct all weather roads from (a) Khed to Shirgaon via Khepi, (b) Bharanem to Ambavli, and (c) Chiplun to Dhamnand, which will facilitate communication throughout the year to some six villages out of the eight villages, which at present, remain isolated. This means that the remaining two villages, viz., Mysad and Deeghar, may remain inaccessible even if all weather roads according to plan are constructed. It is further understood that the above road programme is at present under review by Government and it is not known when the roads are likely to be constructed.

(3) Enquiries made with the Collector of Ratnagiri and the Agricultural Department, Peena, have elicited the information that with the exception of the proposed cattle, dairy and poultry farms at Avashi-Angani, requirements of electricity for other development schemes are considered negligible and there are at present no irrigation possibilities.

"4. It will be seen from paragraph 3 above, that satisfactory routes of communication are at present not available which will create a great difficulty in operating and maintaining the electric works in the area. There are no existing village industries in the area, ~~Khed~~ and the other development schemes which may be undertaken, will use very restricted amount of electricity. This means that introduction of electricity in this area will have at present little practical advantage. I would recommend, therefore, that introduction of electricity in Khed villages may be held in abeyance.

"5. If the above suggestion is accepted by Govt., I would recommend that the scheme for the electrification of the town of Khed be also held in abeyance since Khed town electrification was primarily considered for supplying electricity to the Khed villages.

"6. In connection with electrification of Khed Villages and Khed town, the only commitment entered into so far is the placing of an order for 1-100 kW and 1-50 kW Diesel Engine Alternator sets together with 400/230 volts switchgear. In the event of Government accepting my above recommendation, the diesel alternator sets and switchgear ordered will be diverted to other nursery schemes under consideration.

"7. The cost of the sets and switchgear ordered will amount to about Rs.91,685/-.

"8. The sanctioned estimate for Khed villages, Khed town and Chiplun town is Rs.11,76,620/- vide item (1) page 4 of Government Resolution No. 6730/36(4) dated 11th Oct. 1945. If Government approve of my proposal to hold in abeyance the electrification of Khed villages and Khed town, the estimate under item (1) which will then cover electrification of Chiplun town only, will be reduced to Rs.3,49,000/-. The sum of Rs.91,685/-, the cost of Sets already ordered - vide paragraph 7 above, must also be provided. This sum will, however, later be charged against any other nursery scheme which may be sanctioned by Govt. hereafter.

"9. I shall be much obliged for the early orders of Government in the matter."

RESOLUTION: The proposal of the Special Officer (Electric Grid) to hold in abeyance the electrification of the town of Khed and the eleven villages in the Khed Taluka, Ratnagiri District, sanctioned in Government Resolution No. 6730/36(4), dated the 11th October 1945, and to divert the diesel alternator sets and switchgear already ordered for the scheme to other nursery schemes is approved

By order of the Govt. of Bombay

Sd.

G. N. PANDIT,
Dy. Secy. to Government.

G.R., No. 6730/36(4), P.W.D., dated the 6th December 1946.

To ~~Emx~~

The Finance Department.

The Reconstruction Department.

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The General Department.
The Commissioners of Divisions.
The Chief Engineer, P.W.D.
The Collector of Surat, Satara and Ratnagiri.
The Special Officer (Electric Grid).
The Electrical Engineer to Government.
The Supdtg. Engrs., Northern, Central &
Southern Circles (with a copy of Govt.
Resolution No.6730/36(4), dated the 11th
September 1946].
The ~~Ex~~ Sepdtg. Engr., Project Circle.
The Ex.Engrs., Surat & Breach, Satara & Ratnagiri
Divisions.
The Ex.Engr., Electrical Division and Electric
Inspector, - Bombay Province.
The Accountant General, Bombay.

No. of 1946.

Copy forwarded for information and guidance to.

ElBr.(I)

No.D. 6111/33/39680

Finance Dept.

As the orders issued in Govt. Resolution No.6730/36(4) P.W.D. of-6th Dec. '46. accorded approval of Government to the Proposal of the Special Officer to hold in abeyance the electrification of the town of Khed and the eleven villages in the Khed Taluka, Ratnagiri Dist., sanctioned in Govt. Res. No.6730/36(4) dated 11-10-45 they will have to be enforced in audit and hence it is necessary to confirm them.

The P.W.D. has not forwarded the A.G's copy to this Deptt. Presumably the A.G's copy has gone directly to him. This Deptt. may-however confirm the orders by memo. 6111/33-39680-P.W.R. and the papers may be shown to the P.W.D. for information and further guidance.

Id. 14/12

(Note on f.p. has been taken).

There is no u.o. stamp on our copy. Had we seen the underlying pp.?

Id. 17/12/46.

Resubmitted

2. We had seen the underlying papers though no U.O. stamp is affixed.

Id. 13/12.

Id. 18/12/46.

U.o.r. to P.W.D. dated 23-12-46.

El.Br.(I).

P.W.D.

Seen and returned to the F.D. after affixing the
u.o. stamp.

Thro' B.B. & I.S.

Id. S.G.J.
3/1/47.

Yes, but I am not clear how confirmation of F.D.
is necessary. Simply for holding a scheme in abeyance.

Id. G.A.M.
3/1/47

Id. D.N.D(aruwala); 7/1/47.

Id. N.B.J.
7/1/47.

U.O. to F.D. dated 9-1-47.

Submitted with Ref. to U.O.R. P.W.D. dated
9-1-47.

Finance Department. P.W.R.Br.

MEMO. The part of the orders in G.R. P.W.D. No.6730/36(4)
dated 6-12-46 which stated that the scheme for electrifi-
cation of the town of Khed and the eleven villages in Khed,
Taluka Ratnagiri district is to be held in abeyance do
not, as pointed out by S.A.S. P.W.D., require confirmation
of F.D. The further provision in the orders that the
diesel alternator sets and switchgear already ordered for
the above scheme should be diverted for other nursery
schemes which appear to be still under consideration is
however required to be enforced in audit. It is therefore
necessary that the orders should be confirmed by F.D.
These papers may, therefore, be shown u.o. to the P.W.D.
and thereafter filed.

Id. 14/1/47. A.S.

Id. 13/1

u.o.r. to P.W.D. dated 15-1-47.

El.Br.(I).

P.W.D.

Seen and returned to the F.D.

Id. S.G.J.
17/1/47

Thro' B.B.

Yes, but the F.D. office note was worked
like that.

Id. D.N.D.(aruwala).
18/1/47

u.o. to F.D. dated 22-1-47.

Issued.

Id.
22/1/47.